

RECEIVED**CENTRAL FAX CENTER****CUSTOMER NO.: 24498****Serial No. 10/584,686**

Response to Office Action dated 4/09/08

Response dated: 6/11/08

JUN 11 2008**PATENT****PD040005****Amendments to the Claims**

Please cancel claim 10 and 11 without prejudice.

Please add claims 12-13.

Please amend claims 1 and 3 as follows:

1. (Currently Amended) Method for analyzing an abnormal region on an optical recording medium, including the steps of:
 - detecting the abnormal region;
 - measuring the radial extension of the abnormal region perpendicular to a track direction; and
 - determining the type of the abnormal region based on the measured radial extension; and
 - measuring the radial extension of the abnormal region perpendicular to a track direction, wherein the step of determining the type of the abnormal region includes [[:]] making a speed-controlled jump over the abnormal region perpendicular to the track direction [[:]] and obtaining information on the type of abnormal region during the speed-controlled jump.
2. (Original) Method according to claim 1, wherein the step of determining the type of the abnormal region further includes:
 - differentiating between a first group of types and a second group of types of abnormal region based on the obtained information.
3. (Currently Amended) Method according to claim 1, wherein the step of obtaining information on the type of abnormal region during the speed-controlled jump includes evaluating a data signal and/or a track crossing signal obtained from the optical recording medium.
4. (Original) Method according to claim 1, wherein the step of measuring the radial extension of the abnormal region includes one of:
 - measuring the time needed for jumping over the abnormal region; and

CUSTOMER NO.: 24498**Serial No. 10/584,686**

Response to Office Action dated 4/09/08

Response dated: 6/11/08

**RECEIVED
CENTRAL FAX CENTER****JUN 11 2008****PATENT
PD040005**

- counting a number of pulses emitted by a phase locked loop during jumping over the abnormal region, the phase locked loop replicating a track crossing signal obtained before reaching the abnormal region in the jumping step.

5. (Original) Method according to claim 1, further including the steps of:

- jumping back to the start of the abnormal region;
- reading data stored in the abnormal region; and
- evaluating the data for determining the type of abnormal region.

6. (Original) Method according to claim 5, wherein the step of evaluating the data for determining the type of abnormal region includes at least one of:

- evaluating a sync signal included in the data; and
- evaluating the data frequency in the abnormal region.

7. (Original) Method according to claim 5, wherein the step of measuring the radial extension of the abnormal region includes counting the number of wrong syncs in the abnormal region.

8. (Original) Method according to claim 1, further including the step of storing the position, the radial extension and/or the type of the abnormal region on the optical recording medium.

9. (Original) Method according to claim 1, wherein the types of abnormal region include at least one of a groove region, a mirror region, a defect region, a wrong bitrate region and a wrong structure region.

10. (Cancelled)

11. (Cancelled)

CUSTOMER NO.: 24498
Serial No. 10/584,686
Response to Office Action dated 4/09/08
Response dated: 6/11/08

PATENT
PD040005

12. (New) Method according to claim 2, wherein the step of differentiating between a first group of types and a second group of types of abnormal region based on the obtained information includes:

- classifying an abnormal region as belonging to the first group of types if an evaluation of the abnormal region does only take a short time compared with the evaluation of the abnormal region in the second group of types; and
- otherwise classifying an abnormal region as belonging to the second group of types.

13. (New) Method for analyzing an abnormal region on an optical recording medium, including the steps of:

- detecting the abnormal region;
- determining the type of the abnormal region based on the detected signal; and
- differentiating between a first group of types and a second group of types of abnormal region based on the obtained information;
- wherein the step of differentiating the type of the abnormal region based on the obtained information includes classifying an abnormal region as belonging to a first group of types if the abnormalities of the detected signal are caused by the physical characteristics of the recording medium and classifying an abnormal region as belonging to a second group of types if the abnormalities of the detected signal are caused by erroneous data.